

## 5<sup>™</sup> GRADE MAJOR CONCEPTS MAP POST Algebra Extensio 192 skills in 65 Major Concepts + 125 Additional Skills in Appendix only Skills in Rational Rational • Trigonometric Ratios Sequences Equations Expressions System of Functions Solving Quadratics 4 Exponential Functions Advanced Systems of Functions Solving Quadratic Equations Solving Complex Equations Factoring Polynomials 10 Solving Complex Linear Inequalities Manipulating Linear Equations Algebraic Functions Quadratics 10 Operations Graphing Linear w/Algebraic Expressions Inequalities Function Polynomial Operations Properties Solving Complex Linear Equations Systems of Linear Understanding Correlations Interpreting Equations Multi-Step Equations Linear Functions Functions 7 Transformational Geometry 8th GRADE 42 Skills in Series of Fransformations Pythagorean Theorem Types of Transformations . Understanding Functions Square & Laws of Cube Roots Notation Exponents Functions Operations with Linear Expressions Percents 7<sup>th</sup> Algebraic Inequalities 6 Solving Basic Equations Applying Percents Rational Two-Step Equations Numbers Ratio Reasoning Representing Rational Numbers Operations with Rational Numbers Proportional Relationships Rational Numbers & The Number Line • Understanding • Percents 6th GRADE 23 Skills in 9 Evaluating Expressions Rates Evaluating Algebraic Expressions Fraction Operations Evaluating Numerical Expressions Dividing Fractions Adding & Subtracting Dividing Decimals : Multiplying Decimals 5th GRADE Decimals Place Value Multiplying Fractions Properties & Powers of 10 7 Dimensional Geometry Adding & Subtracting Unlike Fractions 17 Decimal DecimalPlace Value Whole Numbers Operations • Understanding • Volume Multiply & Divide Large Numbers Understanding Understanding 2-D Objects Basic Algebraic Thinking Fractions PRE 2-4<sup>TH</sup> GRADE FOUNDATIONAL Understanding Division : Understanding Fraction Equivalence Area Like Fractions 35 Skills in Understanding Multiplication Compare Whole Numbers Comparing Fractions Understanding • Whole Number Addition & Subtraction : Representing Place Value Fractions







